

# Rough Screening of Project Components

- Effluent Disposal/Reuse
- Treatment Technology
- Solids Treatment and Disposal
- Treatment Plant Siting
- Collection System

# Effluent Disposal/Reuse Alternatives

- Continuing Project Alternatives
  - Percolation/Leachfields
  - Spray Fields
  - Urban and/or Agricultural Reuse
  - Constructed Wetlands
- Eliminated Alternatives
  - Groundwater Direct Injection
  - Creek Discharge
  - Ocean Discharge



# Treatment Technology Alternatives

- Continuing Project Alternatives
  - Extended Aeration Modified Ludzak-Ettinger (MLE)
  - BIOLAC® Wastewater Treatment Process
  - Sequencing Batch Reactor (SBR)
  - Oxidation Ditch
  - Trickling Filters
  - Partially Mixed Facultative Ponds (Nelson, AIPS, etc.)
  - MBR (at Tri-W only)
- Eliminated Alternatives
  - Rotating Biological Contactors (RBCs)
  - Packed-Bed Filters
  - Advanced Integrated Wastewater Pond System (AIWPS)®
  - Facultative Ponds with Constructed Wetlands



# Solids Treatment and Disposal Alternatives

- Continuing Project Alternatives
  - Recycling of Class A
  - Hauling of Class B
  - Hauling of sub-Class B
- Eliminated Alternatives
  - Alkaline Stabilized Options
  - Non-composted Class A Options

# Treatment Facility Siting Alternatives

- Continuing Project Alternatives
  - South of LOVR
  - Cemetery Area
  - Tri-W
- Eliminated Alternatives
  - In-Town and Edge-of-Town sites other than Tri-W
    - Regulatory and environmental constraints
    - No significant advantage to Tri-W (Proximity to Urban Area)
  - Northern Area (i.e. Turri Road vicinity)



# Collection System Alternatives

- Continuing Project Alternatives
  - Dedicated Conventional Gravity
  - Combined Conventional Gravity, Vacuum and/or Low-Pressure
  - STEP/STEG
- Eliminated Alternatives
  - Dedicated Vacuum
  - Dedicated Low-Pressure